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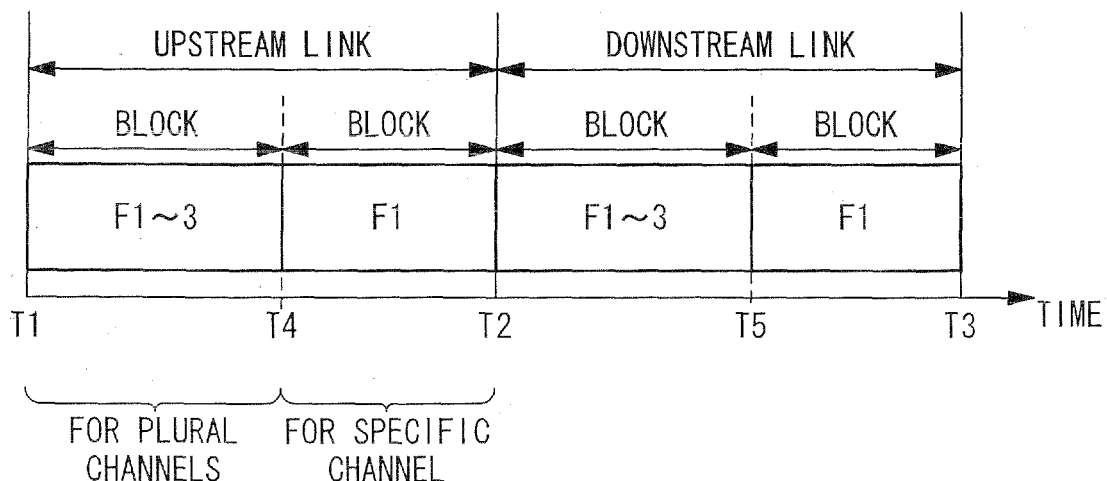
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(54) **Wireless transmission system and communications method**

(57) In the present invention, a wireless transmission system includes a plurality of mobile stations in a cell area, and a base station. The base station divides each of an uplink frame and a downlink frame into a plurality of blocks, assigns a specific one of the plurality of blocks

to each of the plurality of the mobile stations, assigns a specific frequency channel to the mobile station, and notifies the specific block and the specific frequency channel to the mobile station. The length of each of the plurality of blocks is optional, and a sum of the lengths of the plurality of blocks is equal to the length of the frame.

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## EUROPEAN SEARCH REPORT

Application Number  
EP 12 15 1678

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 97/11571 A1 (AIRNET COMMUNICATIONS CORP [US]) 27 March 1997 (1997-03-27) * page 6, line 22 - page 7, line 6; figure 3 *	1-5	INV. H04W16/30
Y	US 5 737 704 A (JIN GO-WHAN [KR] ET AL) 7 April 1998 (1998-04-07) * claims 1,3,5 *	1-5	ADD. H04L5/00
A	DE 42 38 295 A1 (SEL ALCATEL AG [DE]) 19 May 1994 (1994-05-19) * abstract *	1-5	
			TECHNICAL FIELDS SEARCHED (IPC)
			H04W
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 22 June 2012	Examiner Behringer, Lutz
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons &amp; : member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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22-06-2012

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